California Environmental Protection Agency OB Air Resources Board

KUBOTA Corporation

EXECUTIVE ORDER U-R-025-0636 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012:

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

| MODEL YEAR | ENGINE FAMILY | DISPLACEMENT (liters) | FUEL TYPE | USEFUL LIFE (hours) | | |
|---|---------------|-----------------------|--|------------------------|--|--|
| 2015 | FKBXL.325NCB | 0.326 | Diesel | | | |
| SPECIAL FEATURES & EMISSION CONTROL SYSTEMS | | | TYPICAL EQUIPMENT APPLICATION | | | |
| Indirect Diesel Injection | | | Generator Set and Other Industrial Equipment | | | |

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

| RATED | EMISSION | | EXHAUST (g/kw-hr) | | | | | OPACITY (%) | | |
|--------|--------------|------|-------------------|-----|----------|-----|------|-------------|-----|------|
| POWER | STANDARD | | NMHC | NOx | NMHC+NOx | СО | PM | ACCEL | LUG | PEAK |
| kW < 8 | Tier 4 Final | STD | N/A | N/A | 7.5 | 8.0 | 0.40 | N/A | N/A | N/A |
| | | CERT | | | 6.7 | 3.2 | 0.25 | | | |

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this

147M day of October 2014.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

Engine Model Summary Form

Manufacturer:

KUBOTA Corporation

Engine category:

Nonroad Cl

EPA Engine Family: FKBXL.325NCB

Mfr Family Name:

N/A

Process Code:

New Submission

Attachment page 1 of 1

EO# U-R-025-0636 Date: 10/8/2014

| 1.Engine Code | 2.Engine Model | 3.BHP@RPM (SAE Gross) | 4.Fuel Rate: mm/stroke @ peak HP (for diesel only) | 5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only) | 6.Torque @ RPM (SEA Gross) | 7.Fuel Rate: mm/stroke@peak torque | 8.Fuel Rate: (lbs/hr)@peak torque | 9.Emission Control Device Per SAE J1930 |
|--|--|--|---|--|---|--|--|--|
| EA330-EF01 | EA330-EF | 8.2@3000 | 20.4 | 3.4 | 15.0@1900 | 21.4 | 2.3 | EM, IFI |
| EA330-EF02 | EA330-EF | 7.9@3000 | 20.2 | 3.4 | 14.5@1900 | 21.2 | 2.3 | EM, IFI |
| | | | | | | | | |
| | | | | and the state of t | | | ngst. | |
| | | 450-0 | | | | | | |
| | | | | | | | | |
| * | | | *************************************** | | | | | |
| | | | 1.7-2-1.00 | | | | | |
| | | the state of the s | | | | | | - Salaran arang ar |
| | | | | | | | | |
| | managang panggang pa | to the state of th | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | ann a dearaid e an t-airthe Comhail ann a sgo air an dearainn an t-airthe an dearainn an dearainn an dearainn | ne de la companya de | | and the second s |
| and the same of the same of | | | | | | | | |
| en yangan da baran sa kangaya sa Ampa a sa Kasan sa sa | | | and distinct of the contribute of the decrease of a superior the single of the superior of the selection of | | | | | Earlifferen de Australian de la Constantina del Constantina de la Constantina de la Constantina de la Constantina de la Constantina del Constantina de la Co |
| | | | MAKE THE WAY | | | | Dett. of the second | |